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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,500	07/13/2006	Tim Jungkamp	12810-00318-US	4602
23416	7590	03/03/2009	EXAMINER	
CONNOLLY BOVE LODGE & HUTZ, LLP			KOSACK, JOSEPH R	
P O BOX 2207			ART UNIT	PAPER NUMBER
WILMINGTON, DE 19899			1626	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/586,500	JUNGKAMP ET AL.
	Examiner	Art Unit
	Joseph R. Kosack	1626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 05 November 2008.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 11-26 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 11-26 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/0256/06)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Claims 11-26 are pending in the instant application.

Amendments

The amendment filed on November 5, 2008 has been acknowledged and has been entered into the instant application file.

Previous Claim Rejections - 35 USC § 103

Claims 11-16 were previously rejected under 35 U.S.C. 103(a) as being unpatentable over Walter (USPN 3,773,809).

The Applicant has traversed the rejection on the grounds that is should be clear that the claims would not be obvious in view of Walter. The Applicant has not stated what in particular is lacking in the Examiner's *prima facie* case of obviousness and/or why exactly the Examiner is incorrect. Since the Applicant has not pointed out any specific errors in the Examiner's analysis, the Examiner has no choice but to maintain the rejection for the reasons of record.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 11-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Walter (USPN 3,773,809).

The claims are drawn to an eight step continuous procedure for preparing adiponitrile and methylglutaronitrile. Dependent claims 12-16 provide that the reaction is a homogeneous hydrocyanation of butadiene, that the extractant is anhydrous, that at least part of stream 9 and/or stream 11 is recycled into step (c), that step (g) be a two step distillation, and that stream 9 contains less than 10% by weight of pentenenitriles.

Walter teaches a process for reacting pentenenitriles with hydrogen cyanide with a nickel(0)-phosphorus catalyst and a zinc chloride promoter and produces adiponitrile and methylglutaronitrile. See Example 6, columns 8-9. Walter then teaches extraction of the nickel complex from the products and zinc chloride by using cyclohexane. See

Example 6, columns 8-9. Finally, Walter teaches the distillation of the extractant to yield a recovered nickel complex. See Example 7, column 9.

Walter does not teach the distillation for steps b, e, f, g, and h. Walter also does not teach specifically the dependent claims as described above.

To those of ordinary skill in the art, distillation is a common method for separating liquids from each other and specific techniques such as simple distillation, fractional distillation, dual stage distillation, and vacuum distillation are commonly employed.

Each distillation step not explicitly mentioned by Walter essentially separates a more volatile component from less volatile components with a high degree of specificity for fractional distillation and vacuum distillation. Therefore, the distillation steps cannot be looked at as nov-obvious. As to the dependent claims, it doesn't matter whether the reaction starts from the butadiene or the pentenenitrile stage, the process would run the same as the hydrocyanation of butadiene yields pentenenitriles. The extraction of Walter does not show any water in the list of products, so it can be safely assumed that the extraction is anhydrous. Those of ordinary skill in the art would know that a distilled product steam could be recycled into the reaction process in order to increase the yield of reaction relative to the amount of starting material used.

Therefore, it would be obvious to the person of ordinary skill in the art to expand upon the process of Walter to create a fully continuous process using common distillation techniques in order to generate the instant invention as there is a design need to create synthetic processes that are automatic provide the particular components in a mostly pure, if not fully pure, form

Conclusion

Claims 11-26 are rejected.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph R. Kosack whose telephone number is (571)272-5575. The examiner can normally be reached on M-Th 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane can be reached on (571)-272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph R Kosack/
Examiner, Art Unit 1626

/REI-TSANG SHIAO /
Primary Examiner, Art Unit 1626